

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A Java monitoring architecture (JMA), comprising:
one or more monitor servers to monitor resources, collect monitoring data
associated with the resources, and provide the monitoring data to one or
more destinations, wherein ~~the one or more each~~ monitor servers ~~include~~
server includes one or more a Java Management Extensions (JMX)-based
~~monitor servers~~ server; and
one or more managed bean servers coupled with the one or more monitor servers,
~~the one or more each~~ managed bean servers ~~server~~ having a registry of
associated managed beans to facilitate the one or more monitor servers to
monitor the resources, each managed bean server further having a
container to hold the managed beans, the managed beans to access
management applications to manage the resources that are being
monitored.
2. (Currently Amended) The JMA of claim 1, wherein the one or more monitor
servers are further to receive a request for the monitoring of the resources from
the one or more destinations, and to monitor the resources in response to the
request.
3. (Original) The JMA of claim 1, wherein the resources include Java resources
associated with a Java 2 Platform, Enterprise Edition (J2EE) engine.
4. (Original) The JMA of claim 1, wherein the one or more managed bean
servers are further to couple the one or more monitor servers with the one or more
destinations.

5. (Currently Amended) The JMA of claim 4, wherein the one or more destinations include ~~at least one of the following: one or more of~~ a computing center management system (CCMS), one or more administrative tools, and one or more third party tools.
6. (Original) The JMA of claim 5, wherein the one or more administrative tools are coupled with the one or more monitor servers and the one or more managed bean servers via an administrative service interface, the one or more administrative tools include a monitor viewer to display the monitoring data.
7. (Currently Amended) The JMA of claim 6, wherein the monitor viewer includes ~~at least one of the following: one or more of~~ a visual administrator monitor viewer and a Graphical User Interface (GUI)-based monitor viewer.
8. (Currently Amended) The JMA of claim 5, wherein the one or more monitor servers are coupled with the one or more third party tools via an interface including a Managed Enterprise Java Bean interface, wherein the one or more third party tools include a file system to temporarily store the monitoring data.
9. (Original) The JMA of claim 1, further comprises a shared memory coupled with the one or more monitor servers and the CCMS, the shared memory including contents of the monitoring data and the CCMS.
10. (Currently Amended) A method, comprising:
monitoring resources ~~using via~~ one or more monitor servers, wherein each
monitor server having one or more a Java Management Extensions (JMX)-
based monitor servers server, the resources ~~include including~~ Java
resources ~~associated with a Java engine, wherein the one or more monitor~~
servers are coupled with one or more managed bean servers, each

managed bean server having a registry of associated managed beans to facilitate the one or more monitor servers to monitor the resources, each managed bean server further having a container to hold the managed beans, the managed beans to access management applications to manage the resources that are being monitored;

collecting monitoring data associated with the resources; and

providing the monitoring data to one or more ~~clients~~ destinations.

11. (Currently Amended) The method of claim 10, further comprising:
receiving a request to monitor the resources from the ~~one or more clients~~
~~including one or more destinations;~~
receiving the monitoring data at the one or more destinations; and
displaying the monitored data using a monitor viewer at the one or more destinations.
12. (Original) The method of claim 10, wherein the monitoring data includes at least one of the following about the monitored resources: general information, statistics, predictions, and history.
13. (Currently Amended) The method of claim 10, wherein the resources include at ~~least one of the following: one or more of~~ a kernel, server components, network connections, memory consumption, threads, classloaders, database connections, database transactions, HyperText Transport Protocol (HTTP) cache, Java Messaging Service (JMS) queries and topics, and sessions.
14. (Currently Amended) The method of claim 13, wherein the server components include ~~at least one of the following: one or more of~~ libraries, interfaces, and services.

15. (Original) The method of claim 10, wherein the one or more monitor servers are located, locally or remotely, at one or more Java virtual machines.
16. (Cancelled)
17. (Currently Amended) The method of claim 11, wherein the one or more destinations include ~~at least one of the following:~~ one or more of a computing center management system (CCMS), one or more administrative tools, and one or more third party tools.
18. (Currently Amended) The method of claim 17, wherein the one or more administrative tools include a monitor viewer including ~~at least one of the following:~~ one or more of a visual administrator monitor viewer and a Graphical User Interface (GUI)-based monitor viewer.
19. (Currently Amended) A system, comprising:
one or more monitor servers to monitor resources, collect monitoring data associated with the resources, and provide the monitoring data to one or more destinations, wherein ~~the one or more each~~ monitor servers include one or more server includes a Java Management Extensions (JMX)-based ~~monitor servers~~ server;
one or more managed bean servers coupled with the one or more monitor servers, ~~the one or more each~~ managed bean servers-server having a registry of associated managed beans to facilitate the one or more monitor servers to monitor the resources, each managed bean server further having a container to hold the managed beans, the managed beans to access management applications to manage the resources that are being monitored; and

the one or more ~~destinations~~, destinations coupled with the one or more monitor servers, the one or more destinations to receive the monitoring data, and to display the monitoring data ~~using~~ via a monitor viewer.

20. (Original) The system of claim 19, wherein the one or more monitor servers to receive a request to monitor the resources from the one or more destinations, and to monitor the resources in response to the request.
21. (Original) The system of claim 19, wherein the one or more destinations include one or more administrative tools having the monitor viewer, and one or more third party tools having a file system to temporarily store the monitoring data.
22. (Original) The system of claim 19, wherein the one or more destinations further include a computing center management system (CCMS) to originate the request, and to receive the monitoring data via a CCMS agent.
23. (Original) The system of claim 19, wherein the resources include Java resources associated with a Java 2 Platform, Enterprise Edition (J2EE) engine.
24. (Currently Amended) The system of claim 19, wherein the resources include at least one of the following: one or more of a kernel, server components, network connections, memory consumption, threads, classloaders, database connections, database transactions, Hypertext Transport Protocol (HTTP) cache, Java Messaging Service (JMS) queries and topics, and sessions.
25. (Currently Amended) A machine-readable medium ~~having stored thereon data representing sets of comprising~~ instructions which, when executed ~~by a machine~~, cause ~~the a~~ machine to:

monitor resources ~~using~~ via one or more monitor servers, wherein each monitor

server having one or more a Java Management Extensions (JMX)-based monitor servers server, the resources including include Java resources associated with a Java engine, wherein the one or more monitor servers are coupled with one or more managed bean servers, each managed bean server having a registry of associated managed beans to facilitate the one or more monitor servers to monitor the resources, each managed bean server further having a container to hold the managed beans, the managed beans to acccss management applications to manage the resources that are being monitored;

collect monitoring data associated with the resources; and

provide the monitoring data to one or more clients destinations.

26. (Currently Amended) The machine-readable medium of claim 25, wherein the sets of instructions which, when executed by the machine, further cause the machine to:
- receive a request to monitor the resources, the request is received from the one or more clients including one or more destinations;
- receive the monitoring data at the one or more destinations; and
- display the monitored data using via a monitor viewer at the one or more destinations.
27. (Original) The machine-readable medium of claim 25, wherein the monitoring data includes at least one of the following about the monitored resources: general information, statistics, predictions, and history.
28. (Currently Amended) The machine-readable medium of claim 25, wherein the resources include at least one of the following: one or more of a kernel, server

- components, network connections, memory consumption, threads, classloaders, database connections, database transactions, HyperText Transport Protocol (HTTP) cache, Java Messaging Service (JMS) queries and topics, and sessions.
29. (Original) The machine-readable medium of claim 28, wherein the server components include at least one of the following: libraries, interfaces, and services.
30. (Original) The machine-readable medium of claim 25, wherein the one or more monitor servers are located, locally or remotely, at one or more Java virtual machines.
31. (Cancelled)
32. (Currently Amended) The machine-readable medium of claim 26, wherein the one or more destinations include ~~at least one of the following:~~ one or more of a computing center management system (CCMS), one or more administrative tools, and one or more third party tools.
33. (Currently Amended) The machine-readable medium of claim 32, wherein the one or more administrative tools include a monitor viewer including ~~at least one of the following:~~ one or more of a visual administrator monitor viewer and a Graphical User Interface (GUI)-based monitor viewer.